U.S. Department of Transportation
Research and Special Programs Administration

400 Seventh Street, S.W.
Washington, D.C. 20590

IAEA CERTIFICATE OF COMPETENT AUTHORITY

Special Form Radioactive Material Encapsulation

Certificate Number USA/0138/S
(Revision 3)

This certifies that the encapsulated source, as described, when loaded with the authorized radioactive contents, has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in IAEA 1/ and USA 2/ regulations for the transport of radioactive materials.

I. Source Description - The source described by this certificate is identified as Industrial Nucleonics Corporation Sealed Source Model S-16 which consists of either a Monsanto Research Corporation model number 2431, 2431-A or 2431-B or an Amersham Corporation source constructed in accordance with drawings CRC 10411/5, issue F and BRC 10412/S, issue A. All sources are doubly encapsulated and constructed of stainless steel.

II. Radioactive Contents - The authorized radioactive contents of these sources consist of not more than 5.0 curies of Americium-241.

III. This certificate, unless renewed, expires January 31, 1984.

This certificate is issued in accordance with paragraph 803 the IAEA Regulations 1/, and in response to the October 21, 1980 petition by the Monsanto Research Corporation and the December 23, 1980 by Amersham Corporation and in consideration of the associated information therein.

Certified by:

R. R. Rawl — February 18, 1981 (Date)

R. R. RAWL
Chief, Radioactive Materials Branch
Office of Hazardous Materials Regulation
Materials Transportation Bureau

1 "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1973 Revised Edition", published by the International Atomic Energy (IAEA), Vienna, Austria.

2 Title 49, Code of Federal Regulations, Parts 170-178, USA.

Revision 1 issued to modify authorized contents.

Revision 2 issued to extend expiration date.

Revision 3 issued to reflect conformance with the 1973 IAEA regulations and to add Amersham models.